VOLUME CONTENTS

CONTENTS VOL. 69 NO. 1 1988

F. Pardos	1	Fine structure and function of pharynx cilia in *Glossobalanus minutus* Kowalewsky (Enteropneusta)
I. Fernandez Bernaldo de Quiros and J. Benito	13	Coelomic cells in the connective tissue spaces of the clitellar epithelium of *Lumbricus friendi* Cognetti, 1904 (Oligochaeta): an ultrastructural study
C. F. Ardavin and A. Zapata	23	Lymphoid components in the branchial cavernous body of the ammocoete of *Petromyzon marinus*
M. Reuter, M. Lehtonen and M. Wikgren	29	Immunocytochemical evidence of neuroactive substances in flatworms of different taxa—a comparison
S. A. Stricker and M. J. Cavey	39	Calcareous concretions and non-calcified hooks in the body wall of nemertean worms
H. C. Bjerring	47	The morphology of the organum olfactus of a 32 mm embryo of the brachiopterygian fish *Polypterus senegalus*
R. Windoffer and W. Westheide	55	The nervous system of the male *Dinophilus gyrociliatus* (Annelida: Polychaeta). I. Number, types and distribution pattern of sensory cells

CONTENTS VOL. 69 NO. 2 1988

P. A. Verrell and D. M. Sever	65	The cloaca and spermatheca of the female smooth newt, *Triturus vulgaris* L. (Amphibia: Urodela: Salamandridae)
T. Y. Khan and D. M. Stoddart	71	Effect of social environment on the proctodaeal glands of *Microtus agrestis* L.
J. H. Youson, D. G. Butler and B. A. Bawks	77	Distribution and structure of the adrenocortical homolog in the reed-fish (*Calamoichthys calabaricus* Smith)
F. Pardos and J. Benito	87	Blood vessels and related structures in the gill bars of *Glossobalanus minutus* (Enteropneusta)
S. M. Lester	95	Ultrastructure of adult gonads and development and structure of the larva of *Rhabdopleura normani* (Hemichordata: Pterobranchia)
S. M. Lester	111	Settlement and metamorphosis of *Rhabdopleura normani* (Hemichordata: Pterobranchia)
E. Ottaviani	121	Surface markers on the haemocytes of the freshwater snail *Planorbarius corneus* (L.) (Gastropoda, Pulmonata)

CONTENTS VOL. 69 NO. 3 1988

	i	Announcement—revised format
	iii	Instructions to authors
C. T. Smith, M. Ghoneum and E. L. Cooper	125	Ultrastructure of cytotoxic cells in frogs
D. J. W. Lane and S. L. Wilkes	135	Localisation of vanadium, sulphur and bromine within the vanadocytes of *Ascidia mentula* Müller: a quantitative electron probe X-ray microanalytical study
M. El-Salhy and L. Grimelius	147	The ultrastructure of the endocrine pancreas of the grass lizard, *Mabuya quinquetaeniata*
E. Ottaviani and A. Franchini	157	Ultrastructural study of haemocytes of the freshwater snail *Planorbarius corneus* (L.) (Gastropoda, Pulmonata)
A. M. N. Kalantan and M. Arfin	163	*In vitro* excystation of metacercariae of *Clinostomum complanatum* (Rudolphi, 1819) (Digenea: Clinostomatidae)
J. M. Jørgensen	169	The number and distribution of calyceal hair cells in the inner ear utricular macula of some reptiles
C. G. Reed	177	Organization of the nervous system and sensory organs in the larva of the marine bryozoan *Bowerbankia gracilis* (Ctenostomata: Vesiculariidae): functional significance of the apical disc and pyriform organ

CONTENTS VOL. 69 NO. 4 1988

	i	Announcement—revised format
	iii	Instructions to authors
B. Cifrian, P. Garcia-Corrales and S. Martinez Alós	195	Ultrastructure study of spermatogenesis and mature spermatozoa of *Paravortex cardii* (Platyhelminthes, Dalyellioida)
G. W. Rouse	205	An ultrastructural study of the spermatozoa from *Prionospio* cf. *queenslandica* and *Tripoldora* sp.: two spionid polychaetes with different reproductive methods
M. I. Rodriguez-Moldes and R. Anadón	217	Ultrastructural study of the evolution of globules in coronet cells of the saccus vasculosus of an elasmobranch (*Scyliorhinus canicula* L.), with some observations on cerebrospinal fluid-contacting neurons
R. Kiss, Y. de Launoit, G. Lenglet and A. Danguy	225	Autoradiographic investigations on cell proliferation in the digestive mucosa of fishes
K. J. Pedersen and L. R. Pedersen	231	Ultrastructural observations on the epidermis of *Xenoturbella bocki* Westblad, 1949; with a discussion of epidermal cytoplasmic filament systems of invertebrates
O. Munk and J. M. Jørgensen	247	Putatively luminous tissue in the abdominal pouch of a male dalatiine shark, *Euprotomicroides zantedeschia* Hulley & Penrith, 1966
S. Suzuki and I. Kawabata	253	A scanning electron microscopic study on the thyroid follicle of the hagfish *Eptatretus burgeri*
Volume Contents and Author Index Vol. 69, 1988	I	